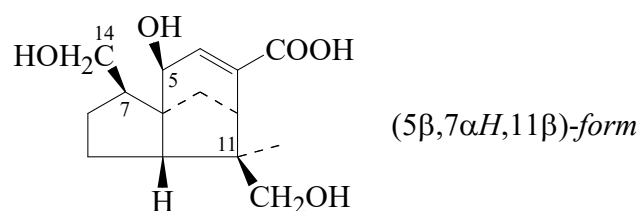




>>Entry Name: 5,12,14-Trihydroxy-3-cedren-15-oic acid



Molecular Formula: C₁₅H₂₂O₅

Molecular Weight: 282.336

Accurate Mass: 282.146725

Percentage Composition: C 63.81%; H 7.85%; O 28.33%

>>Variant: (5 β ,7 α H,11 β)-form

Synonym(s): Laksholic acid

CAS Registry Number: 24205-56-9

Molecular Formula: C₁₅H₂₂O₅

Molecular Weight: 282.336

Accurate Mass: 282.146725

Percentage Composition: C 63.81%; H 7.85%; O 28.33%

Biological Source: Constit. of lac

Physical Description: Cryst. (CHCl₃/EtOH)

Melting Point: Mp 181-183°

Optical Rotation: [α]_D +49.4 (CHCl₃)

>>Derivative: 14-Carboxylic acid

Synonym(s): 5,12-Dihydroxy-3-cedrene-14,15-dioic acid. **Shellolic acid**

CAS Registry Number: 4448-95-7

Molecular Formula: C₁₅H₂₀O₆

Molecular Weight: 296.319

Accurate Mass: 296.12599

Percentage Composition: C 60.80%; H 6.80%; O 32.40%

Biological Source: Constit. of Kusmi shellac

Physical Description: Cryst. (H₂O)

Melting Point: Mp 206°

Optical Rotation: [α]_{Hg}¹⁷ +26.3

>>Variant: (5 β ,7 β H,11 β)-form

Synonym(s): Epilaksholic acid. *epi*-Laksholic acid

CAS Registry Number: 24205-61-6

Molecular Formula: C₁₅H₂₂O₅

Molecular Weight: 282.336

Accurate Mass: 282.146725

Percentage Composition: C 63.81%; H 7.85%; O 28.33%

Biological Source: Constit. of lac

Physical Description: Cryst. (CHCl₃/EtOH)

Melting Point: Mp 201-203°

Optical Rotation: [α]_D +63.7 (CHCl₃)

>>Derivative: 14-Aldehyde

Synonym(s): 5,12-Dihydroxy-14-oxo-3-cedren-15-oic acid. **Jalaric acid**. Jalaric acid A

CAS Registry Number: 24205-55-8

Molecular Formula: C₁₅H₂₀O₅

Molecular Weight: 280.32

Accurate Mass: 280.131075

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Biological Source: Isol. from lac resin from *Laccifer lacca*

Physical Description: Cryst. (MeCN)

Melting Point: Mp 178-180°

Optical Rotation: [α]